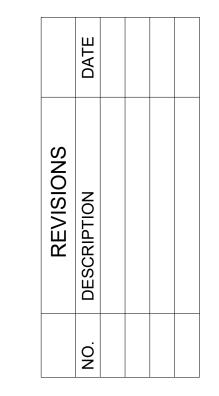
CONTINENTAL DR. McKELLIPS RD APACHE BLVD **23** U.P.R.R. 24 **BROADWAY RD** 25 US-60 FREEWAY 35 36 34 BASELINE RD. GUADALUPE RD. **ELLIOT RD** 23 24

CITY OF TEMPE

ENGINEERING & TRANSPORTATION DEPARTMENT ENGINEERING DIVISION





DECK REPAIRS MUNICIPAL COMPLEX

31 E. 5TH STREET, TEMPE, AZ

PROJECT NO. 6708841S

DESCRIPTION	SH	HEET NO.
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MAYOR

COREY D. WOODS

VICE MAYOR

RANDY KEATING

CITY COUNCIL

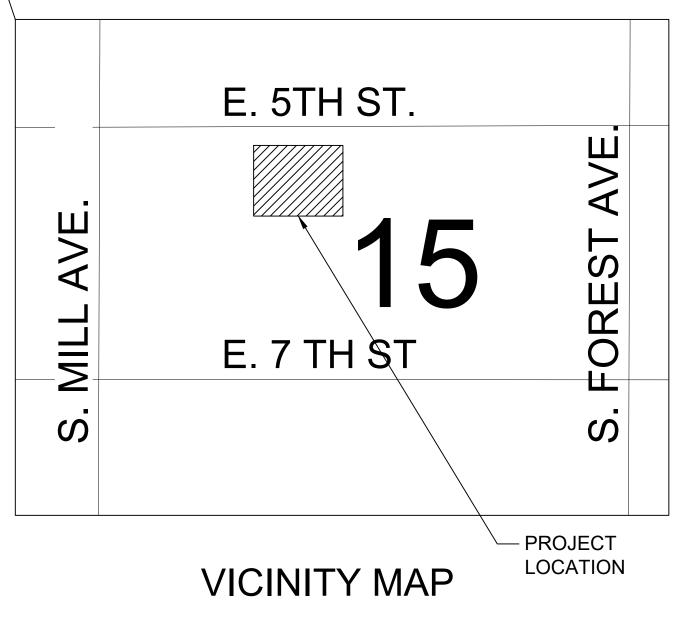
JENNIFER ADAMS ROBIN ARREDONDO-SAVAGE DOREEN GARLID LAUREN KUBY JOEL NAVARRO

CITY MANAGER

ANDREW CHING

CITY ENGINEER

JULIAN DRESANG, PE, PTOE



CONTACTS:

CITY OF TEMPE 31 EAST FIFTH STREET GARDEN LEVEL, WEST WING TEMPE, AZ 85281 (480) 350-8200

ARCHITECT: SPS+ ARCHITECTS IIp

8681 E. VIA DE NEGOCIO SCOTTSDALE, AZ 85258 (480) 991-0800

STRUCTURAL ENGINEER:

CARUSO TURLEY SCOTT 1215 W. RIO SALADO Pkwy., SUITE 200 TEMPE, AZ 85281 (480) 774-1700

CIVIL ENGINEER:

KIMLEY HORN 7740 N. 16TH ST. SUITE 300 PHOENIX, AZ 85020 (602) 906-1107

LANDSCAPE ARCHITECT:

LOGAN SIMPSON 51 W. 3RD, STE. 450 TEMPE, AZ 85281 (480) 967-9232

> 95% REVIEW **PLANS NOT APPROVED** FOR CONSTRUCTION

UTILITY CONFLICT CONTACT INFORMATION

(UTILITY COMPANY REP. NAME & PHONE NO.) (RESPONSE DATE)

Waiting for final info from Civil

DATE

APPROVED

REFERENCE

1/4 SECTION

LOCATION

SW14N4

(UTILITY COMPANY NAME)

DEPUTY ENGINEERING & TRANSPORTATION DATE DEPARTMENT DIRECTOR/ CITY ENGINEER

AS-BUILT INFORMATION IS INCLUDED IN THESE AREAS

ON THIS SET OF DRAWINGS

[TO BE COMPLETED BY CITY INSPECTOR]

AS-BUILT PLANS CHECKED FOR FIELD CHANGES

___ | FIRE LINE (UF)

___ DUILDINGS

___ CITY IRRIGATION

___ SHARED USE PATH

___ STREET LIGHTS (ST)

MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

SEWER (SW)

□ WATER-RECLAIMED (WA)

☐ STORM DRYWELL (DR)

__ OFFSITE (C, G, SW, DW)

☐ GRADING/DRAINAGE (DR)

__ UWATER (WA)

CITY INSPECTOR:

Contact Arizona 811 at least two full vorking days before you begin excavatior Call 811 or click Arizona811.com

DATE

COMMUNITY DEVELOPMENT PERMITS REQUIRED FOR THIS SET OF DRAWINGS BUILDING (BP) ☐ WATER/SEWER (WS) ☐ FIRE (FR) DEFERRED SUBMIT (DEF) ___

LANDSCAPE/SPRINKLER __ OTHER

PARCEL #:

PAVING AND SURVEY MONUMENT NOTES

- 1. No paving construction shall be started until all underground utilities within the roadway prism are completed.
- 2. The maximum stake interval for grades of 0.2% or less shall be 25' for concrete work and 50' for asphalt roadway section, except on horizontal or vertical curves where a maximum stake interval of 20' for concrete work shall be required. All curb returns shall be staked at the P.C., P.T. and the midpoint of the return. No grade stake interval shall exceed 50'.
- 3. Gutters will be water tested in the presence of the City's Engineering Inspector, or designee, to insure proper drainage, prior to final approval by the Engineering Division.
- 4. Exact point of matching, termination and overlay, if necessary, may be determined in the field by the Engineering Division.
- 5. Address overlay requirements where open cutting is permitted. Finished pavement surface materials such as rubberized asphalt shall be matched in field.
- 6. Any pavement markings/striping removed as part of this project shall be replaced in-kind. The cost to replace/restore pavement markings shall be incidental to the cost of the asphalt pavement or surface treatment as specified in the project specifications.
- 7. For utility rehabilitation/restoration projects, all neighborhood streets are to be finished with a slurry seal and may be preceded by edge milling and hot rubber crack filling/sealing per the project specifications. No less than 30 days after slurry seal has been applied, a full street sweeping shall be required. Restoration/application of all street striping and/or symbols will also be required to be installed by the Contractor.
- 8. On neighborhood streets schedule for finished slurry seal, T-top pavement replacements may use a 3/4" mix asphalt or readily available approved equal.
- 9. For water services lines and fire hydrant lines throughout the neighborhood streets, the width of T-top pavement replacement may be reduced to 3' to 4' wide provided top of trench is 1' to 2' wide, respectively, in lieu of the 8' T-top width as noted on COT STD DETAIL T-450.
- 10. Asphalt thickness is to match existing but must be a minimum of 4" asphalt thickness on neighborhood streets and 6" for arterial/collector streets for pavement replacement over trenches if the trenches are slurry filled to underside of pavement; compacted AB may also be acceptable per MAG SPEC SECTION 601. See specifications for slurry seal micro seal and other specific pavement requirements.
- 11. For utility rehabilitation/restoration projects, arterial and collector streets are to be finished with a full-width microsurfacing seal for full limits of construction, and may be preceded by edge milling and hot rubber crack filling/sealing per the project specifications. Restoration/application of all street striping and/or symbols will also be required.
- 12. All asphalt joints are to be crack filled/sealed with a hot applied rubberized asphalt sealant such as Polyflex 3 by Crafco or approved equal. Refer to COT STD DET T-450 regarding Pavement Replacement requirements.
- 13. Removal and replacement of any concrete shall be to the nearest joint.
- 14. All existing survey monuments in hand holes are to be protected in-place and shall be exposed after any pavement restoration/treatment. Any damaged/removed /disturbed survey monuments shall be constructed by the Contractor per MAG STD DETAIL 120, Type A on arterials and/or at quarter section corners. Local street survey monuments shall be constructed per MAG STD DETAIL 120, Type B. Tie downs, point set, straddlers, and brass cap punching will be performed by City Survey Crew. The Contractor is to coordinate the survey monument activities with the City's Engineering Inspector and Lead Surveyor.

SEWER, WATER and UTILITY PLAN NOTES

- 1. The Contractor shall uncover all existing lines being tied into to verify their location, size, material type, etc. prior to construction of new lines. The Contractor will locate or have located all existing underground pipelines, telephone and electric conduits, and structures, etc. in advance of construction and will observe all possible precautions to avoid damage to same. The Contractor shall contact Arizona 811 by dialing 811, 602-659-7500 or at www.arizona811.com, at least two (2) full working days, prior to construction, to locate utilities on all projects, and also in accordance with A.R.S. § 40-360.21-31, et seq.
- 2. Summits in water lines shall be located at fire hydrants.
- 3. Backfilling shall not be started until lines are approved by the Engineering Division.
- 4. If a backflow prevention assembly is required to be installed, the Contractor will call the City of Tempe Engineering Inspector, at least one business day in advance, to request an inspection before backfilling the assembly.
- 5. All public water lines shall be pressure class 350 DIP, protected with high density polyethylene corrosion protection per MAG Specification 610.
- 6. All new water and sewer connections to existing lines shall be done only by open-cut on major arterial streets, major intersections or the presence of a major water or sewer line. Bored installations must be clearly identified and specifically approved by the City Engineer, or designee.
- 7. All on-site sewer systems are considered private unless otherwise noted on plans and must be approved by Tempe Community Development/Building Safety Division.
- 8. In accordance with AAC R18-4-213, all materials added after January 1, 1993, which may come into contact with drinking water shall conform to National Sanitation Foundation Standards 60 and 61.
- 9. All manhole installations shall be complete in place including all excavation, backfill, sweeps, and conduits necessary to complete the installation of the manhole and connections to the mainline conduits.
- 10. All valves shall be flanged to fittings, preferably tees.
- 11. Pipe restraint shall be per MAG Standard Detail 303-1, 303-2, and 303-3. Thrust & anchor blocks, if any, shall be per MAG Standard Detail 301, 380 & 381.
- 12. Only the City of Tempe Water Utility Division personal shall operate any existing valves or any valve connecting new work to the existing city water system.
- 13. Water, storm drain & sanitary sewer separation/protection shall be per MAG Standard Detail 404 with City approval. The City considers storm drains to be "sewer" when crossing over or within Zones A & B of water lines. The City considers storm drains to be "potable water" when crossing under or within Zones A & B of sanitary sewer lines.
- 14. The Contractor shall take every precaution to prevent foreign material from entering the pipe while it is being stored.
- 15. During installation and at all times when pipe laying is not in progress, the open ends of the pipe in the trench shall be closed by a water-tight plug or other means approved by the City of Tempe Engineering inspector. If in the opinion of the City of Tempe Engineering Inspector the pipe contains dirt that will not be removed during the flushing operation, the interior of the pipe shall be cleaned and swabbed, as necessary, with a .005 to .010 percent chlorine solution.
- 16. After pressure testing and before placing in service, all water lines shall be disinfected and tested for water quality in accordance with MAG Standard Specifications Section 611. If the waterline fails the chlorine residual test or fails to meet the water quality test more than three (3) times, the City of Tempe Engineering inspector reserves the right to require the installed waterline to be cleaned by pigging the line, in accordance with standard procedures, at no cost to the City.
- 17. Where specified for replacement, 5/8" water service lines shall be replaced with 3/4". All other sizes to match existing.
- 18. For the existing sewer stub connections only. (To be signed on "As-Built" mylar.)
 "This is to certify that an actual field flow test on the existing sewer stub was performed and was found to be acceptable and free of any obstructions prior to final building connection"

ngineer Date Arizona P.E. Number

GENERAL AND SITE PLAN NOTES

- 1. All construction shall conform to the City of Tempe Supplement to the MAG Specifications and Details, Maricopa Association of Governments Uniform Standard Specifications and Details (MAG Specifications and Details), and City of Tempe Traffic Barricade Manual.
- 2. The City shall be notified prior to any construction work. Contact the City of Tempe Engineering Inspector at least two (2) full working days before start of construction to coordinate inspections. Construction work concealed without inspection by the City shall be subject to exposure at the Contractor's expense.
- 3. Location of all water valves, water/sewer manholes, and cleanouts must always be surveyed and referenced during construction and made available to the Water Utility Division.
- 4. No job will be considered complete until all curbs, pavement, and sidewalks have been swept clean of all dirt and debris and all survey monuments are installed according to the plans.
- 5. All existing street monuments must be preserved. Prior to construction, monuments will be referenced horizontally and vertically. All survey monuments to be disturbed during construction shall be coordinated in advance with the City's Engineering Inspector and City's Lead Surveyor.
- 6. For CIP projects taking place on land parcel/property, i.e. not with the ROW: All overhead utility lines (other than transmission lines 12.5KV or greater) that are located on or adjacent to the site, including street or alley crossings, shall be placed underground per City Code Section 25-120 through Section 25-126 and Ordinance No. 88.85
- 7. Any onsite private utilities (outside of the City's ROW) and details shown in these plans are for reference only and are not approved on these drawings. See plans that are approved by the City of Tempe Community Development Department for onsite private utilities and other onsite improvements.
- 8. This set of plans has been reviewed for compliance with City requirements prior to construction. However, such review shall not prevent the City from requiring correction of errors in plans found to be in violation of any law or ordinance. It is the responsibility of the professional engineer sealing and signing these plans to be certain that they are in full compliance with Tempe standards, details, criterion, laws and ordinances.
- 9. The City does not guarantee any quantities shown on these plans.

40-360.21-31, et seq.

- 10. An approved set of plans shall always be available on the job site.
- 11. The Contractor is responsible for the removal or relocation of all obstructions within the right-of-way prior to starting new construction.
- 12. The Contractor is responsible for arranging the relocation of all utilities; coordinate with the City's Engineering Inspector. A utility relocation schedule shall be submitted prior to the start of new construction.
- 13. The Contractor shall contact Arizona 811 by dialing 811, 602-659-7500 or at www.arizona811.com, at least two (2) full working days, prior to construction, to locate utilities on all projects, and also in accordance with A.R.S. §
- 14. The Contractor shall barricade construction sites at all times per the City of Tempe Traffic Barricade Manual. Traffic control plan shall be submitted for review and approval by the City's Traffic section in advance of construction.
- 15. The Contractor may obtain a fire hydrant meter for construction water from City of Tempe Water Customer Service. This meter should be ordered at least two (2) full working days prior to the start of construction. The unlawful removal of water from a fire hydrant is a violation of the municipal code, punishable by fine and/or imprisonment.
- 16. All broken or displaced existing concrete curb, gutter, or sidewalk shall be removed and replaced as directed by the City of Tempe Engineering Division inspector.
- 17. All City facilities, alleys and roadway surfaces damaged by Contractor during construction shall be repaired/restored to the satisfaction of the City of Tempe Engineering Division inspector per the respective City and/or MAG standard detail.
- 18. Construction items shall not be accepted until the Contractor has submitted a full set of redline "As-Built" plans and they have been approved by the City's Engineering Division.

95% REVIEW
PLANS
NOT APPROVED
FOR
CONSTRUCTION

DATE DESCRIPTION

SCALE:



SHT T2 OF

		ENGINEERING AND TRANSPORTATION DEPARTMENT		
		CITY OF TEMPE		
		ENGINEERING DIVISION		
		P.O. BOX 5002, TEMPE, AZ 85280		
SURVEYED:	SP/JH	DESCRIPTION	DATE	1/24/2022
DESIGNED:	SP	CITY HALL PLAZA REPAIR/REMODEL	PROJEC	T NO.
DRAWN:	JH	31 E. 5TH STREET	670	8841S
CHECKED: SP		Tempe, Arizona	00413	

GENERAL NOTES

FROM EXISTING CONCRETE CURB AND TO PROVIDE PROPER



RK	DATE	DESCRIPTION	BY
		ENGINEERING AND TRANSPORTATION DEPARTMENT	
		CITY OF TEMPE	

6708841S

PATH: C:\Users\Jeff\SPS+ Architects\SPS+ Architects Team Site - Online J Drive\2021\21004 COT Municipal Complex\00 CAD\06 SHEETS\A2 - DETAILS.dwg LAST SAVED BY: JEFF

- EXIST. LIGHT POLE &

ANCHORAGE TO

REMOVE EXIST. 1/8"

FLUSH W/ FACE OF

LIGHT POLE

NEW CONC. LIGHT -

THK. STL. & CUT/GRIND

1/2" RIGID

INSULATION

BEVEL THE EDGE -

(TYP.)

PREFABRICATED

DRAINAGE COURSE

- PROTECTION SHEET

CHIP OUT EXIST. CONC. —

HANDRAIL PIER & PATCH

TOPPING UNDER

BACK TO ACHIEVE

SMOOTH SURFACE

EXIST. CONST. JT. —

FIELD VERIFY

EXIST. CONC. HANDRAIL

- 1 1/2" RIGID

INSULATION

PIER TO REMAIN

NEW CONCRETE DECK

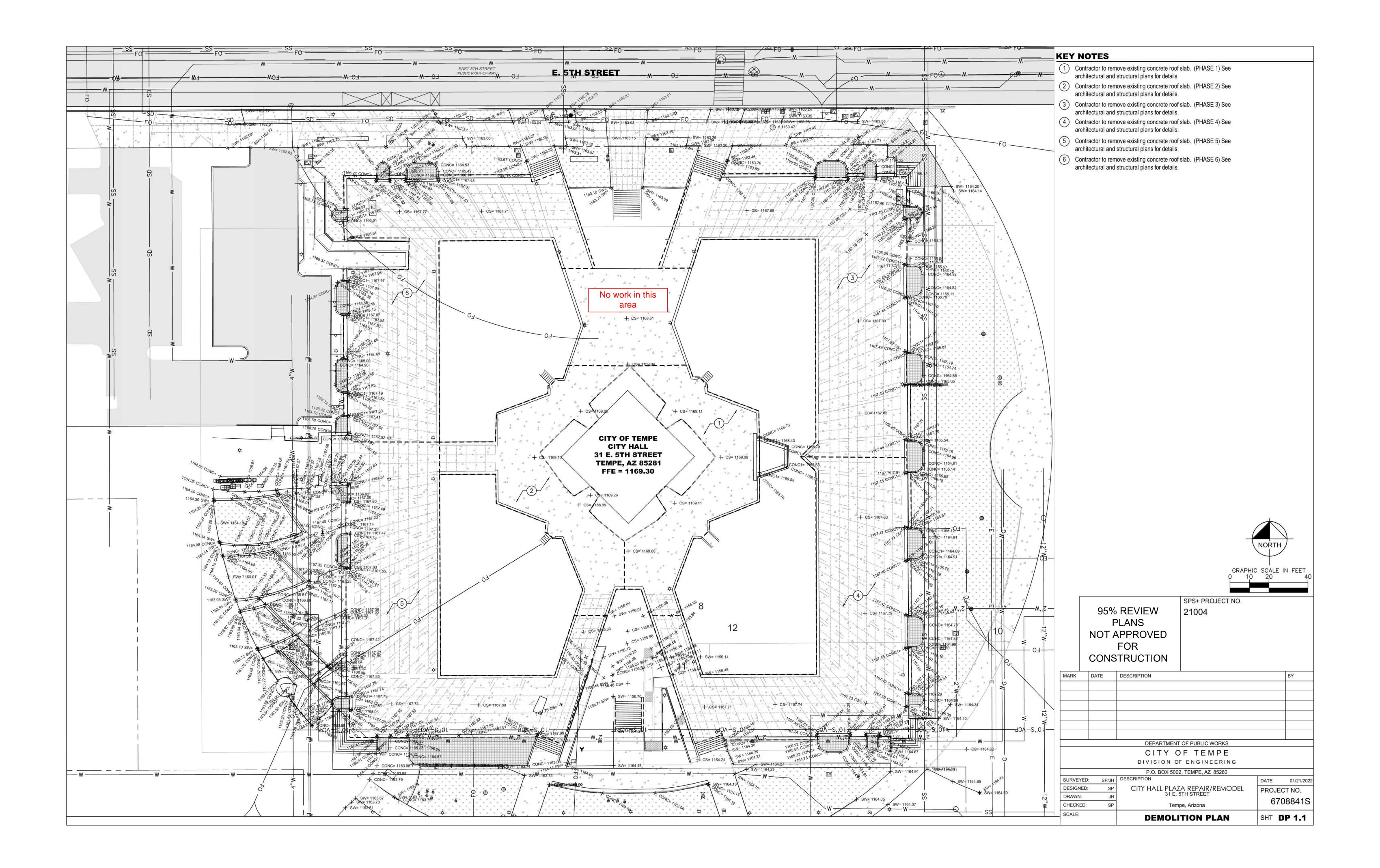
PREFORMED JOINT SEAL

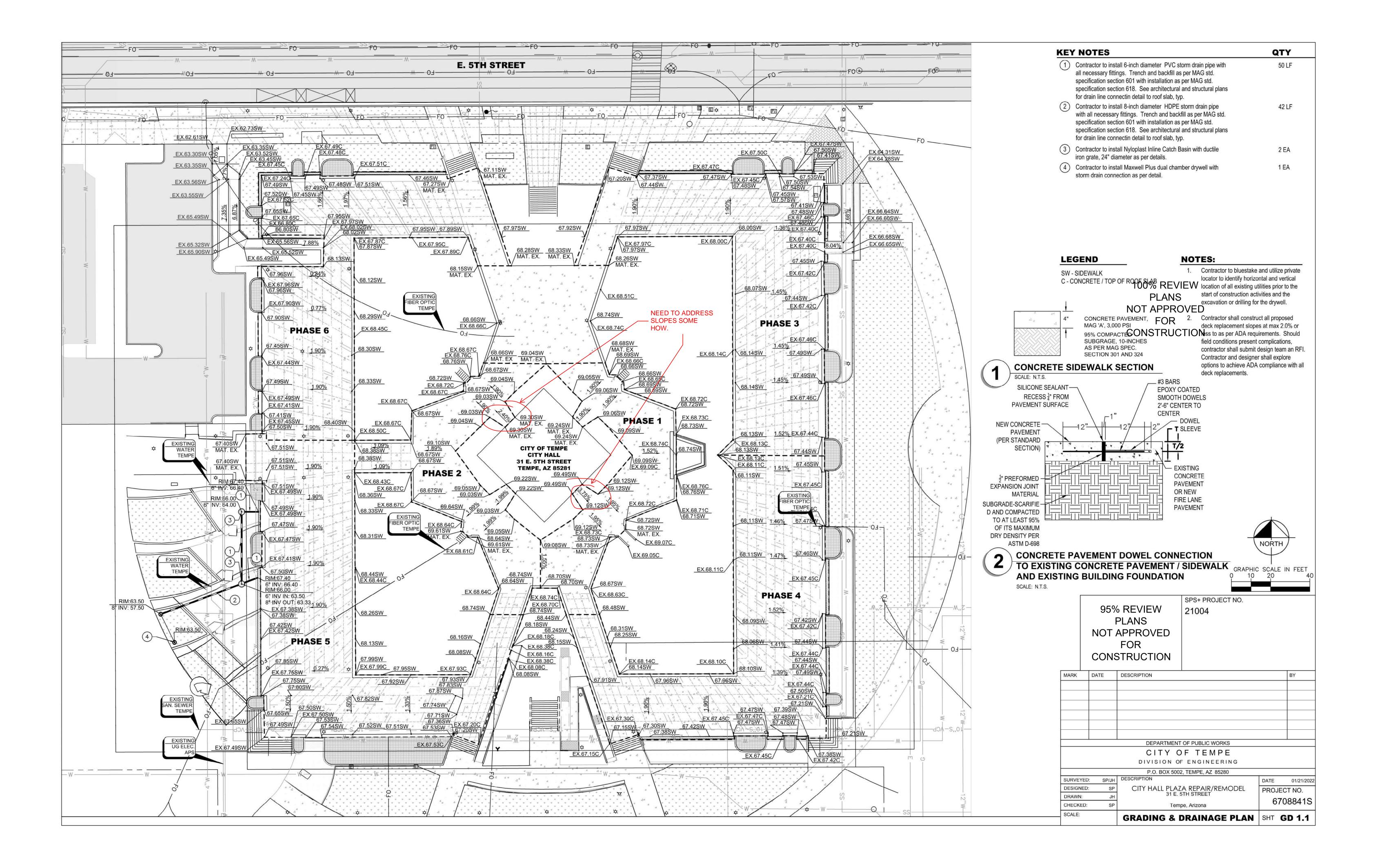
- EXISTING WEAR SLAB TO

REMAIN

EXISTING CONCRETE BALUSTER

PREFORMED JOINT SEAL —





DECK REPAIRS MUNICIPAL COMPLEX

CITY OF TEMPE - ENGINEERING & TRANSPORTATION DEPT.

CITY OF TEMPE GENERAL LANDSCAPE NOTES

GENERAL NOTES:

- INSTALLATION OF LANDSCAPE MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING DETAILS AND SPECIFICATIONS:
- 1.1. MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND PUBLIC WORKS CONSTRUCTION, 2017 REVISION TO THE 2015 EDITION
- 1.2. CITY OF TEMPE STANDARD LANDSCAPE AND IRRIGATION DETAILS AND SPECIFICATIONS, JULY 2011
- 1.3. TEMPE SUPPLEMENT TO THE MAG UNIFORM STANDARD DETAILS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2014
- 2. ALL PLANT MATERIAL SHALL HAVE A ONE YEAR WARRANTY FROM DATE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. OWNERS REPRESENTATIVE SHALL BE NOTIFIED FOR FINAL INSPECTION OF WORK TO SUBSTANTIATE START DATE OF THE WARRANTY PERIOD
- PLANT QUANTITIES LISTED IN THE LANDSCAPE LEGEND ARE FOR THE CONVENIENCE OF THE CONTRACTOR. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVERRIDE THE LANDSCAPE LEGEND AND BID QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
- PRIOR TO COMMENCEMENT OF ANY WORK, DETERMINE LOCATION OF ALL UNDERGROUND UTILITIES THROUGH 'BLUE STAKE' OR OTHER METHOD AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED AS A RESULT OF THEIR WORK
- SITE GRADING NECESSITATED BY THE WORK AS IT PROGRESSES AND NOT SPECIFICALLY CALLED OUT ON THE PLANS WILL BE CONSIDERED INCIDENTAL WORK.

FINISH GRADE AND LANDSCAPE PREPARATION NOTES

- 6. UTILIZE TREE PROTECTION REQUIREMENTS WHEREVER AN EXISTING TREE HAS A 4" CALIPER OR LARGER, IS LOCATED WITHIN TEN (10) FEET OF EXCAVATION FOR ANY REQUIREMENTS OF THE PROJECT. MAINTAIN TREE PROTECTION UNTIL WORK IS COMPLETED AND APPROVED BY PROJECT ENGINEER, AT WHICH TIME IT SHALL BE REMOVED
- CONTRACTOR SHALL INSPECT SUBGRADES PREPARED BY OTHERS PRIOR TO COMMENCING WITH CONTRACTED LANDSCAPING OR IRRIGATION ACTIVITIES. ADVISE OWNERS REPRESENTATIVE OF DISCREPANCIES WITH DRAWINGS OR TECHNICAL SPECIFICATIONS. ALL PLANTING AREAS SHALL BE LEFT FREE OF CONSTRUCTION DEBRIS AND/OR TOXIC MATERIAL AND SUBGRADED TO A LEVEL TO PERMIT LANDSCAPE CONSTRUCTION. TRENCHES OR OTHER FILLED EXCAVATIONS SHALL BE COMPACTED PRIOR TO LANDSCAPE INSTALLATION.
- ALL PLANTING AREAS THAT ARE COMPACTED DUE TO CONSTRUCTION TRAFFIC OR OTHER FACTORS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES, FINE GRADED, AND RECOMPACTED TO A MAXIMUM MODIFIED PROCTOR DENSITY OF NO GREATER THAN 85% PRIOR TO PLANTING
- 9. ALL SUBGRADE SURFACES SHALL BE FINE GRADED UNIFORMLY TO CONFORM TO THE TYPICAL SECTIONS OF PROPOSED GRADES PRIOR TO THE PLACEMENT OF INERT MATERIALS. SUBGRADE SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, AND FREE OF IRREGULAR DRAINAGE INCONSISTENCIES (SUBGRADE FORM SHALL MATCH FINISH GRADE FORMS). THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINISH GRADE AND SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS. FINISH GRADES SHALL MATCH ENGINEERS PLANS AND SPECIFICATIONS.

- 10. ALL VALVES, CLEAN-OUTS, METERS, AND BOXES (INCLUDING IRRIGATION) SHALL BE ADJUSTED TO FINISH GRADE AND SHALL BE INCIDENTAL TO CONSTRUCTION
- 11. FINISH GRADE FOR PLANTED AREAS SHALL BE PER THE DETAILS WITH SMOOTH EVEN LINES AT EDGES OF STRUCTURES.
- 12. FINISH GRADE IF NOT SPECIFIED ON THE PROJECT'S GRADING PLANS SHALL SLOPE AT A 2% GRADE AWAY FROM CURBS. WALKS. AND WALLS FOR MINIMUM OF 10 FEET.

PLANTING:

- 13. PLANTS WERE CAREFULLY SELECTED FOR THEIR APPROPRIATE SIZE AND CHARACTER FOR THIS PROJECT. SUBSTITUTIONS ARE NOT PERMITTED UNLESS THE CONTRACTOR CAN SUBMIT PROOF FROM FIVE REGIONAL SUPPLIERS THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE IN THE TIME-FRAME REQUIRED.
- 14. LAYOUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS AND OUTLINE AREAS AND SECURE OWNER'S REPRESENTATIVE ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE DIRECTED
- 15. IF ROCK, UNDERGROUND CONSTRUCTION, ADVERSE DRAINAGE CONDITIONS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED IN EXCAVATION FOR PLANTING OF TREES, SHRUBS, OR PLANTS NOTIFY OWNER'S REPRESENTATIVE. NEW LOCATIONS MAY BE DETERMINED, OR INSTRUCTIONS MAY BE ISSUED TO DIRECT REMOVAL OF OBSTRUCTION. PROCEED WITH WORK ONLY AFTER APPROVAL OF OWNER'S REPRESENTATIVE.
- 16. ALL PLANT BACKFILL MIXES SHALL BE AMENDED AS DESCRIBED ON THE LANDSCAPE DRAWING DETAILS, UNLESS SUPERSEDED BY SPECIFIC SOIL TESTING AND OR LANDSCAPE SPECIFICATIONS. BACKFILL MIX SHALL BE PLACED IN 6" LIFTS AND TAMPED INTO PLACE TO OBTAIN COMPACTION. TRANSPLANTING SHALL BE DONE WHEN SOIL IS EXCESSIVELY WET. DO NOT COUNTERSINK AROUND CACTI OR SUCCULENTS. PROVIDE POSITIVE DRAINAGE AWAY FROM PLANT.
- 17. ALL SHRUBS SHALL HAVE A FULL HEAD THAT COVERS THE CONTAINER DIAMETER (CAN FULL) AND A MINIMUM OF THREE STEMS/BRANCHES
- 18. WHEN MULTIPLE QUANTITIES OF TABLETS ARE REQUIRED THEY SHALL BE EQUALLY SPACED AT THE SPECIFIED DEPTH.

MEDIAN PLANTING ALIGNMENT NOTES

REINFORCED CONCRETE

REQUIRED

RIGHT-OF-WAY

REVISION

RIGHT

ROAD

SOUTH

- 19. CENTER TREES IN MEDIAN. CONTRACTOR SHALL STAKE LOCATIONS IN THE FIELD AS PER PLAN FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF PLANTING (TYPICAL ALL AREAS).
- 20. PLANT MATERIAL LAID OUT IN "ON CENTER" TYPE ALIGNMENT SHALL BE MEASURED OUT AND STOKED IN THE FIELD BY CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF PLANTING (TYPICAL ALL AREAS)

PROJECT TEAM

OWNER

CITY OF TEMPE 31 EAST FIFTH STREET GARDEN LEVEL, WEST WING PHONE: (480) 774-1700

SPS+ ARCHITECTS 8681 EAST VIA DE NEGACIO SCOTTSDALE, ARIZONA 85258 CONTACT: SUE PEACOR

ARCHITECT

PHONE: (703) 608-1877 EMAIL: SUE.P@SPSPLUSARCHITECTS.COM

KIMLEY-HORN 7740 NORTH 16TH STREET, STE300

CIVIL ENGINEER

PHOENIX, AZ 85020 **CONTACT: SEAN WOZNY** PHONE: (602) 944-5500 EMAIL: SEAN.WOZNY@KIMLEY-HORN.COM

CARUSO TURLEY SCOTT 1215 WEST RIO SALADO, STE200 TEMPE, ARIZONA 85281 **CONTACT: MIKE FAMER** PHONE: (480) 774-1700 EMAIL: MFARMER@CTSAZ.COM

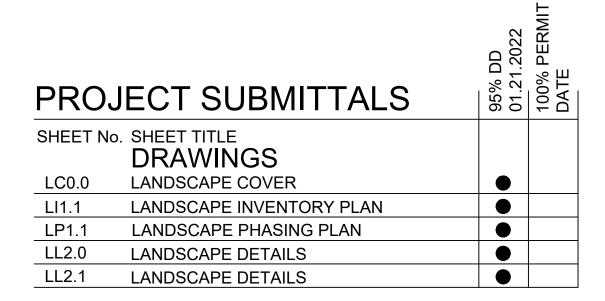
STRUCTURAL ENGINEER

LANDSCAPE ARCHITECT LOGAN SIMPSON DESIGN, INC 51 W. THIRD STREET, STE 450

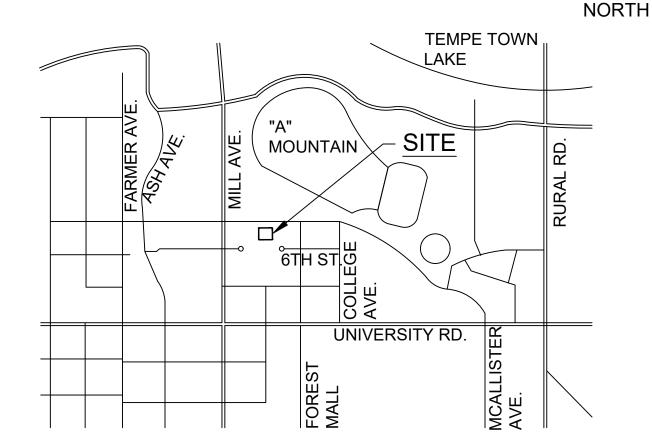
TEMPE, ARIZONA 85281 **CONTACT: BRAD REMME** PHONE: (480) 435-0742 EMAIL: BREMME@LOGANSIMPSON.COM

SHEET INDEX

LANDSCAPE COVER LANDSCAPE INVENTORY PLAN LI1.1 LP1.1 LANDSCAPE PHASING PLAN LL2.0 LANDSCAPE DETAILS LL2.1 LANDSCAPE DETAILS



VICINITY MAP



DEVELOPMENT PLAN REVIEW **STIPULATIONS**

- 1. INCORPORATE LIGHTING, ADDRESS SIGNS, AND INCIDENTAL EQUIPMENT ATTACHMENTS (ALARM KLAXONS, SECURITY CAMERAS, ETC.) WHERE EXPOSED INTO THE DESIGN OF THE BUILDING ELEVATIONS. EXPOSED CONDUIT, PIPING, OR RELATED MATERIALS IS NOT PERMITTED
- 2. UPPER/LOWER DIVIDED GLAZING PANELS IN EXTERIOR WINDOWS AT GRADE LEVEL, WHERE LOWER GLASS PANES ARE PART OF A DIVIDED PANE GLASS CURTAIN-WALL SYSTEM, SHALL BE PERMITTED ONLY IF LAMINATED GLAZING AT THESE LOCATIONS IS PROVIDED.
- 3. GLASS IN STOREFRONT PANELS SHOWN ON SHEET 4 OF 5 MUST ALLOW OBSERVERS OUTSIDE THE COUNCIL CHAMBERS TO CLEARLY SEE INTERIOR PROCEEDINGS. AS INTENDED BY GOODWIN, GLASS AND TINTING OR FILMS TO BE APPLIED TO SAID GLASS TO REQUIRE A CERTIFICATE OF NO EFFECT
- 4. EXTERIOR SPEAKERS TO BE USED FOR PROVIDING MEETING AUDIO TO THOSE OUTSIDE OF THE COUNCIL CHAMBERS TO BE RETAINED. IF FUNCTIONAL OR REPAIRED, OR REPLACED
- 5. HARDSCAPE MUST BE SLIGHTLY DIFFERENTIATED FROM EXISTING.
- 6. SHOULD LANDSCAPE SELECTIONS REQUIRE SUBSTITUTIONS, AS ADDRESSED IN CONDITION 13 OF THE "GENERAL LANDSCAPE NOTES". THE SUBSTITUTION SHALL REQUIRE A CERTIFICATE OF NO EFFECT.
- 7. SHOULD TREE AND PLANT LOCATION ADJUSTMENTS BE NEEDED, AS ADDRESSED IN CONDITION 14 OF THE "GENERAL LANDSCAPE NOTES", NEW LOCATIONS SHALL REQUIRE A CERTIFICATE OF NO EFFECT.
- 8. SHOULD TREE, SHRUB, OR PLANT LOCATION ADJUSTMENTS BE NEEDED, AS ADDRESSED IN CONDITION 17 OF THE "GENERAL LANDSCAPE NOTES", NEW LOCATIONS SHALL REQUIRE A CERTIFICATE OF NO EFFECT.
- 9. A BUILDING PROTECTION PLAN RELATED TO TREE REMOVAL MUST BE APPROVED BY THE HISTORIC PRESERVATION OFFICER PRIOR TO ANY REMOVAL ACTIVITIES.

PROJECT INFORMATION

ADDRESS: 31 EAST 5TH STREET TEMPE, AZ 85281 A.P.N.: 132-27-351

CC **ZONING:** LOT SIZE: 120,565 SQ.FT.



SHT 1 OF 5

LC0.0

95% REVIEW PLANS NOT APPROVED FOR



	CONS	TRUCTION	Call 811 or click Arizona811.c		
MARK	DATE	DESCRIPTION			BY
		ENGINEERING AND TR	RANSPORTATION DEPARTMENT		
		CITY	OF TEMPE		
		ENGINI	EERING DIVISION		
		P.O. BOX 50	002, TEMPE, AZ 85280		
SURVEY	ED:	DESCRIPTION		DATE	1.20.202
DESIGNE	ED: AB	CITY HALL PL	.AZA REPAIR/REMODEL	PROJEC	CT NO.
DRAWN:	AB	31	E. 5TH STREET		8841S
CHECKE	D: BR	Т	empe, Arizona	0700	

LANDSCAPE COVER

TERMS AND ABBREVIATIONS

DESC

DTL

DG

DIA

DIM

DR

DWG

DESCRIPTION

DECOMPOSED GRANITE

DETAIL

DIAMETER

DIMENSION

DRAWING

DRIVE

ADA	AMERICANS WITH DISABILITIES ACT	EA	EACH	MIN	MINIMUM	SECT	SECTION
ADMIN	ADMINISTRATION	EL	ELEVATION	MISC	MISCELLANEOUS	SHT	SHEET
ALIGN	ALIGNMENT	EMB	EMBANKMENT	Ν	NORTH	STD	STANDARD
APPROX	APPROXIMATE(LY)	ENGR	ENGINEER	NE	NORTHEAST	STA	STATION
ARCH	ARCHITECTURAL	EQ	EQUAL	NO.	NUMBER	ST	STREET
AVE	AVENUE	ESMT	EASEMENT	NPI	NATIVE PLANT INVENTORY	STR	STRUCTURAL
B/C	BACK OF CURB	EXST	EXISTING	NTS	NOT TO SCALE	SF	SQUARE FEET
BM	BENCH MARK	F/C	FRONT OF CURB	NW	NORTHWEST	SVT	SIGHT VISIBILITY TRIANGLE
BLVD	BOULEVARD	FG	FINISH GRADE	OC	ON CENTER	SY	SQUARE YARD
BNDRY	BOUNDARY	FH	FIRE HYDRANT	ОН	OVERHEAD	SW	SIDEWALK
BLDG	BUILDING	FWY	FREEWAY	PE	PRELIMINARY ENGINEERING	TBD	TO BE DETERMINED
CIP	CAST-IN-PLACE	FT	FOOT / FEET	PED	PEDESTRIAN	TBR	TO BE REMOVED
CTR	CENTER	GAL	GALLON	PIP	PROTECT-IN-PLACE	TEMP	TEMPORARY
CL	CENTERLINE	GR	GRADE	PKG	PARKING	TCB	TEMPORARY CONCRETE
CLR	CLEAR	HT	HEIGHT	PKWY	PARKWAY		BARRIER
CMU	CONCRETE MASONRY UNIT	HWY	HIGHWAY	PREFAB	PREFABRICATION	TCE	TEMPORARY
CONC	CONCRETE	HORIZ	HORIZONTAL	PRELIM	PRELIMINARY		CONSTRUCTION EASEMENT
CONSTR	CONSTRUCTION	IN	INCH	PSF	POUNDS PER SQUARE FEET	TOPO	TOPOGRAPHY
CONT	CONTINUOUS	INFO	INFORMATION	PSI	POUNDS PER SQUARE INCH	TYP	TYPICAL
CONTR	CONTRACTOR	LAT	LATITUDE	PUE	PUBLIC UTILITY EASEMENT	YD	YARD
CTRL	CONTROL	LBS	POUNDS	PVMT	PAVEMENT		
CF	CUBIC FEET	LF	LINEAR FEET	QC	QUALITY CONTROL		
CY	CUBIC YARD	LT	LEFT	QTY	QUANTITY		
DEPT	DEPARTMENT	LOW	LIMIT OF WORK	RR	RAILROAD		
				1 11 1			

REQD

REV

RT

R/W

RD

LUMP SUM

MAINTENANCE

MANUFACTURER

MANHOLE

MAXIMUM

MANHOLE

MILE

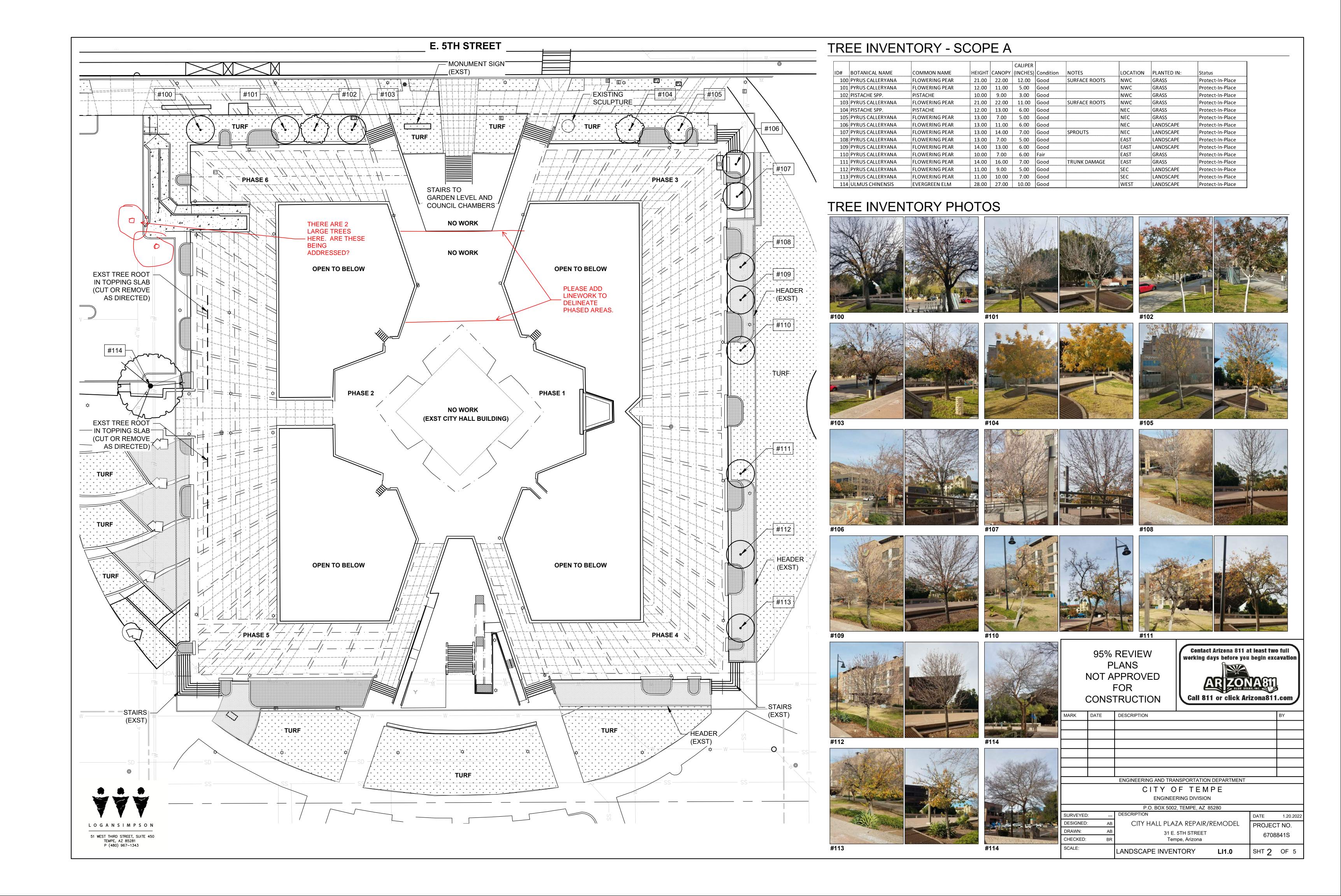
MAINT

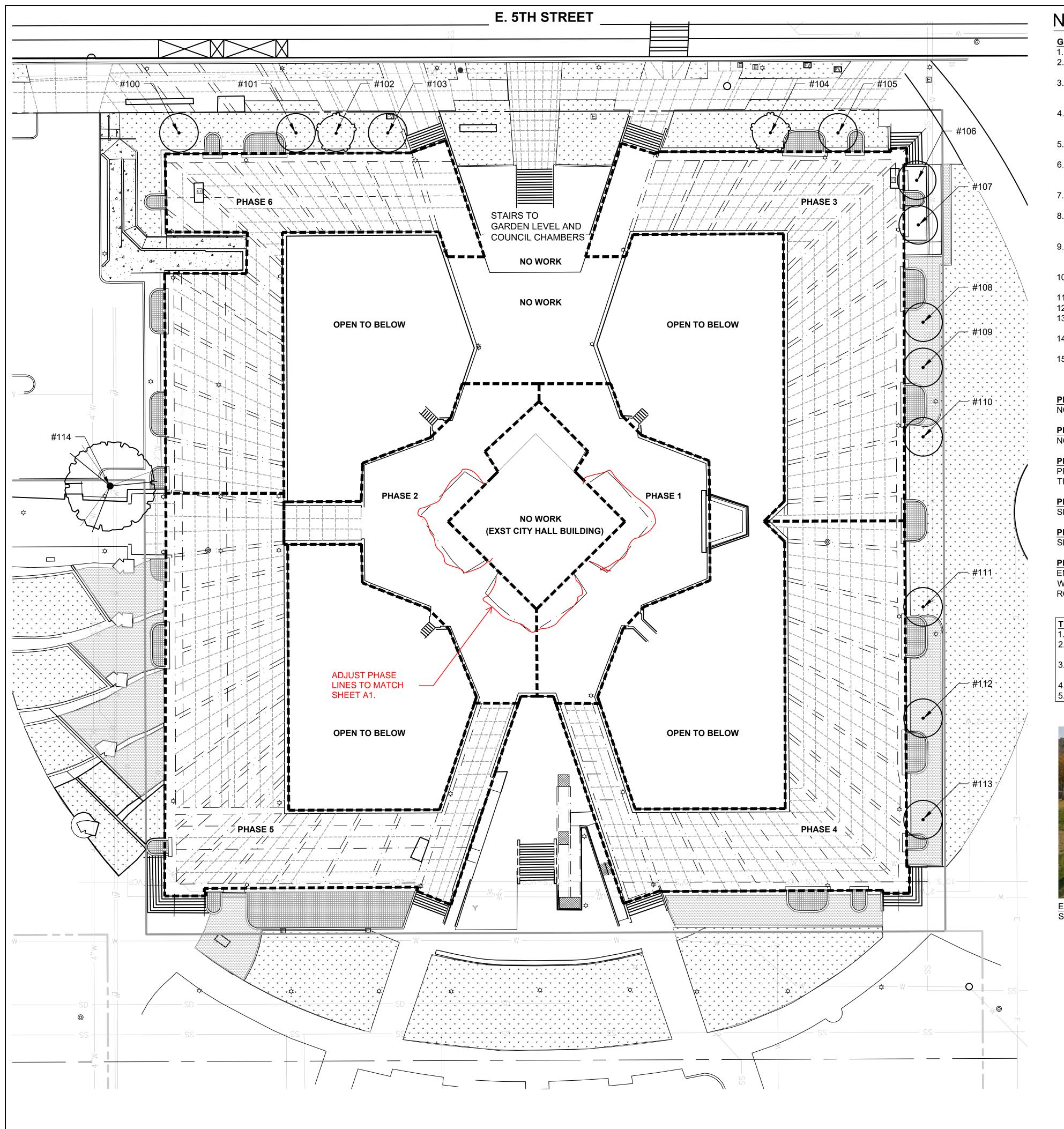
MAX

MFR

MH

MI





NOTES

- REMOVE LOWER STORY PLANTINGS AS NECESSARY TO COMPLETE DECK REPAIRS. PROTECT ALL TREES IN PLACE.
- 2. IF A TREE CANNOT BE PROTECTED IN PLACE, CONTACT PROJECT LANDSCAPE ARCHITECT AND OWNER PRIOR TO REMOVAL OF THE TREE IN
- IT IS UNDERSTOOD THAT SOME TREE ROOTS WILL NEED TO BE CUT OR REMOVED IN ORDER TO EXECUTE THE DECK REPAIRS, HOWEVER, LARGER ROOTS SHOULD BE LEFT IN PLACE AS MUCH AS POSSIBLE FOR THE LONG TERM HEALTH OF THE TREE(S). IF THERE IS A QUESTION ROOT THAT MAY NEED TO BE REMOVED, CONTACT PROJECT LANDSCAPE ARCHITECT
- 4. PRIOR TO BACKFILLING ALONG CONCRETE APRONS OR EDGE OR DECK AND WHEN POSSIBLE, INSTALL TREE ROOT BARRIERS AS PER ATTACHED DETAILS. PHOTOGRAPH AND MAKE RECORD OF WHICH TREE (BY ID #) RECEIVE TREE ROOT BARRIERS. BARRIERS SHALL BE PLACED BETWEEN EXISTING TREES AND DECK PLAZA TO HELP PREVENT ROOT GROWTH TOWARDS THE STRUCTURE.
- 5. TEMPORARY TREE PROTECTION SHALL BE AS PER THE ATTACHED DETAILS. PROTECTION MEASURE MAY BE TEMPORARILY REMOVED TO ALLOW FOR IMMEDIATE WORK, BUT THEN SHOULD BE REINSTALLED IMMEDIATELY THEREAFTER.
- 6. AS PART OF THE DECK REPAIRS, IRRIGATION DEVICES SHOULD EB RELOCATED AWAY FROM APRONS AND EDGE OF DECK. ADDITIONALLY, TURF IRRIGATION (SPRAY HEADS) SHOULD BE ADJUSTED TO ENSURE LIMITED OVERSPRAY OR DRIFT ONTO THE DECK. ADJUST HEADS AS NECESSARY OR CHANGE NOZZLES ACCORDINGLY.
- 7. ANY SPOILS GENERATED FORM EXCAVATIONS MUST BE REMOVED FROM THE SITE. SPOILS SHALL NOT BE SPREAD ONSITE AS ANY BERMING MAY CAUSE PONDING AND WILL NEGATIVELY IMPACT DECK REPAIRS. SPOIL HAIL-OFF SHALL BE INCLUDED AS PART OF THE PROJECT BID.
- 8. IT IS UNDERSTOOD THAT IRRIGATION LATERALS (SPRAY AND DRIP) WILL LIKELY BE DAMAGED AS PART OF THE DECK REPAIRS, THESE LINES SHALL BE REPAIRED WITH SCHEDULE 40 PVC PIPE, NO POLY. CONTRACTOR SHALL TEST THE ENTIRE SYSTEM TO ENSURE THERE ARE NO LEAKS ADJACENT TO THE DECK AND ASSOCIATED APRON.
- CONTRACTOR SHALL IDENTIFY THEIR ROUTES OF ACCESS FOR EQUIPMENT AND MATERIALS. THESE ROUTES, IF CROSSING LANDSCAPE AREAS, SHALL BE RETURNED TO THEIR PRE-CONSTRUCTION CONDITIONS. THIS MAY INCLUDE DE-COMPACTION, TURF REPLACEMENT, PLANT REPLACEMENT, CONCRETE HEADER R&R AND IRRIGATION REPAIRS.
- 10. AS-BUILTS FOR ANY IRRIGATION REPAIRS, ADJUSTMENTS OR RELOCATIONS SHALL BE REQUIRED AS PART OF THE PROJECT CLOSE-OUT
- 11. ANY CONCRETE HEADER REPLACEMENT SHALL MATCH AS CLOSELY AS POSSIBLE TO THE EXISTING HEADER SIZE, FINISH AND COLOR.
- 12. MAINTAIN IRRIGATION TO ALL PROTECT-IN-PLACE TREES.
- 13. DO NOT STORE MATERIALS OR EQUIPMENT WITHIN THE DRIPLINE OF EACH PIP TREE; ENSURE TEMPORARY FENCING IS IN PLACE TO PROTECT THE TREE AND ITS DRIPLINE.
- 14. NO WASH-OUTS WITHIN TREE DRIPLINES OR WITHIN ANY LANDSCAPE AREAS. WASHOUT LOCATIONS AND DEVICES SHALL BE AS APPROVED BY THE OWNER / ENGINEER.
- 15. WHEN INSTALLING NEW SOD, CREATE A STRAIGHT LINE IN THE EXISTING GRASS TO INSTALL UP TO. LINE CAN BE CREATED WITH A SHOVEL-CUT EDGE OR A SOD-CUTTER. INSTALL NEW SOD PERPENDICULAR TO ANY SIDE-SLOPES.

NO LANDSCAPE WORK

PHASE 2: NO LANDSCAPE WORK.

PROTECT EXISTING SCULPTURE LOCATED ALONG 5TH STREET, EAST OF STAIR SET. IF SCULPTURE CANNOT BE PROTECTED IN PLACE, CONTACT THE CITY REGARDING TEMPORARY REMOVAL AND STORAGE. SEE GENERAL PHASING NOTES.

SEE GENERAL PHASING NOTES.

SEE GENERAL PHASING NOTES.

ENSURE ELM TREE (#114) IS MONITORED DURING CONSTRUCTION. SHOULD IT BE DETERMINED THAT THE ELMS ROOTS HAVE ENTERED THE WESTERN DECK PLAZA - CONTACT PROJECT LANDSCAPE ARCHITECT AND OWNERS REPRESENTATIVE PRIOR TO CUTTING AND REMOVING SAID ROOTS. SEE GENERAL PHASING NOTES.

TREE REPLACEMENT NOTES

- NEITHER PYRUS (PEAR) OR PISTACHE TREE SPECIES WERE INCLUDED AS PART OF THE ORIGINAL PLANT PALETTE
- SHOULD AN EXISTING TREE NEED TO BE REMOVED IN ORDER TO ALLOW FOR DECK REPAIRS OR IMPROVEMENTS, CONTACT THE PROJECT LANDSCAPE ARCHITECT AND OWNER.
- PRIOR TO INSTALLING ANY REPLACEMENT TREES, THE TEAM SHALL DISCUSS POTENTIAL TREE SPECIE OPTIONS WITH THE CITY AND DETERMINE IF THERE IS A PLAN TO RETURN THE SITE TO ITS ORIGINAL LANDSCAPE DESIGN (AND PALETTE).
- THE ORIGINAL LANDSCAPE PLANS ARE AVAILABLE FOR REVIEW BY THE TEAM AND THE CITY AS NECESSARY.
- ANY REPLACEMENT TREES SHALL INCORPORATE TREE ROOT BARRIERS AS PART OF THE STANDARD TREE PLANTING DETAIL.



EXISTING SCULPTURE (LOCATED WITHIN PHASE 3) SEE INVENTORY PLAN

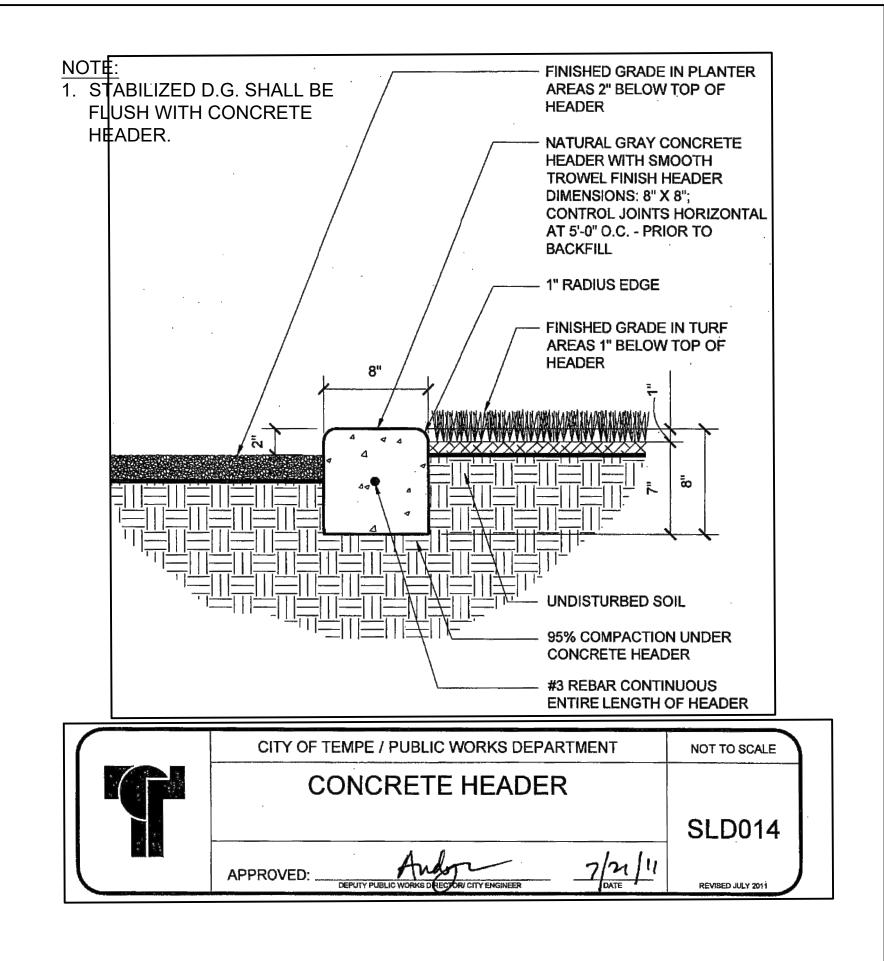


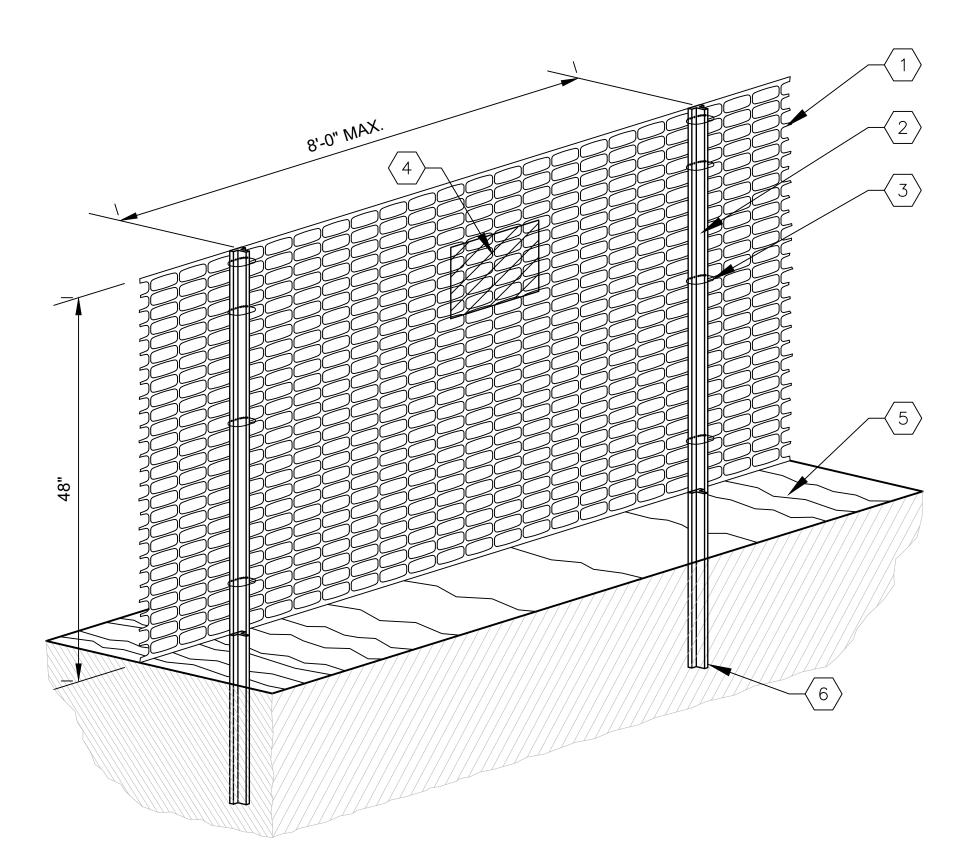
95% REVIEW **PLANS NOT APPROVED** FOR CONSTRUCTION



MARK	DATE	DESCRIPTION		BY
		ENGINEERING AND TRA	NSPORTATION DEPARTMENT	
		CITY O	FTEMPE	

ENGINEERING DIVISION P.O. BOX 5002, TEMPE, AZ 85280 SURVEYED: DATE 1.20.2022 DESIGNED: CITY HALL PLAZA REPAIR/REMODEL PROJECT NO. DRAWN: 31 E. 5TH STREET 6708841S Tempe, Arizona CHECKED: SCALE: PHASING PLAN LP1.0 SHT 3 OF 5





- PLASTIC PROTECTION FENCING. FENCING SHALL BE CONSTRUCTED OF HIGH-DENSITY EXTRUDED POLYETHYLENE FABRIC WITH 2" MAXIMUM OPENING IN MESH PATTERN AND WEIGHING A MINIMUM OF .4 LBS/FT WITH A MINIMUM TENSILE STRENGTH OF 200 PSI.
- 2. TREE/PLANT PROTECTION FENCING T-BAR POST AND STAKING PER SPECIFICATIONS.
- SECURE PLASTIC FENCING TO POSTS USING PLASTIC BANDS
- OR GALVANIZED STEEL OR STAINLESS-STEEL WIRE TIES. 4. LAMINATED TREE/PLANT PROTECTION ZONE SIGN, SIZE
- 8.5X11. SEE GENERAL NOTE-B BELOW. EXISTING GRADE.
- 6. DRIVE T-BAR STAKES FIRMLY INTO NATIVE SOIL/UNDISTURBED GROUND.

- A. INDIVIDUAL TREES AND GROUPS OF TREES AND PLANTS TO BE PRESERVED AND PROTECTED ARE INDICATED ON THE CULTURAL LANDSCAPE PROTECTION PLAN...
- LAMINATED TREE/PLANT PROTECTION ZONE SIGN, SIZE 8.5X11. SECURE TO FENCING USING PLASTIC TIES. SIGN TO READ: "TREE/PLANT PROTECTION ZONE, ALL WORK WITHIN BOUNDARIES SHALL BE PER SPECS AND CULTURAL LANDSCAPE PROTECTION PLAN." INSTALL A MINIMUM OF FOUR SIGNS PER TREE OR GROUP OF TREES AND PLANTS SIGNS SHALL BE SPACED AT A MAXIMUM OF 25' ON CENTER.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SAMPLES OF FENCING, POSTS, AND SIGNS TO OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

TEMPORARY TREE / PLANT PROTECTION FENCING

1 CONCRETE HEADER

MANUFACTURER: DEEP ROOT

24" DEEP - 8' LONG 'DEEP

ROOT' MOLDED PANELS.

SUBGRADE. INSTALL PER

TOP BURIED 1" BELOW

MANUFACTURER'S

SPECIFICATIONS

TREE PLANTED

PER DETAIL

ADJACENT

HARDSCAPE

PLAN

⁻ 24" DEEP - 8' LONG 'DEEP ROOT' MOLDED PANELS.

TOP BURIED 1" BELOW SUB GRADE. INSTALL PER

SEE STANDARD TREE PLANTING DETAIL AND GENERAL

ADJACENT UNDERGROUND UTILITIES TO BE PROTECTED

MANUFACTURER'S SPECIFICATIONS

ADJACENT HARDSCAPE (CURB, WALL, CONCRETE WALL, ETC.)

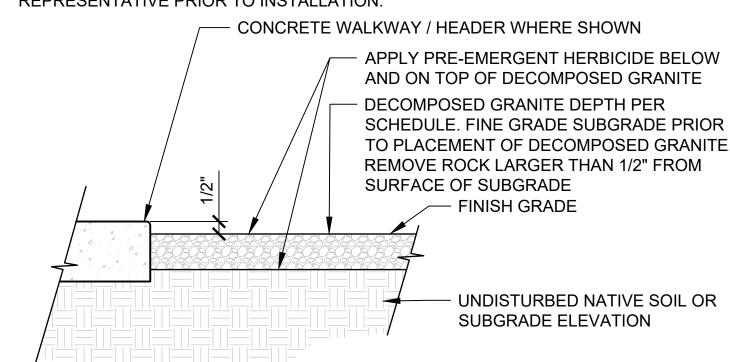
MODEL #: UB-24-2

(OR APPROVED EQUAL)

SIZE: 24" DEEP x 24" WIDE

- NOTES: 1. ALL TREES PLANTED WITHIN 48" OF WET/DRY UTILITIES SHALL BE INSTALLED WITH
- X = 5' MIN. TREE SETBACK PER LANDSCAPE NOTES
- 2. CONTRACTOR SHALL LEAVE THE TOP EDGE OF AT LEAST ONE ROOT BARRIER PER TREE EXPOSED FOR INSPECTION AND VERIFICATION.
- FOR INSTALLATION ALONG LINEAR APPLICATIONS OF HARDSCAPE: ASSEMBLE THE APPROPRIATE NUMBER OF ROOT BARRIER PANELS ACCORDING
- TO THE MANUFACTURER'S RECOMMENDATIONS AND ASSOCIATED DETAILS TRENCH IMMEDIATELY ADJACENT TO HARDSCAPE TO THE APPROPRIATE DEPTH
- FOR INSTALLATION OF SPECIFIED ROOT BARRIER SO THAT TOP OF BARRIER IS 1/2" - 1" ABOVE FINISH SOIL GRADE
- PLACE ROOT BARRIER IN TRENCH, VERTICAL RIBS FACING TOWARD PLANTING AREA AND TREE ROOTS.
- WHERE POSSIBLE. USE HARDSCAPE AS A GUIDE FOR ROOT BARRIER ALIGNMENT.
- BACKFILL ADJACENT PLANTING SOIL AGAINST THE ROOT BARRIER TO PROMOTE CLEAN FIT TO HARDSCAPE. FILL TO FINISH GRADE PER PROJECT SPECIFICATIONS.
- 4. FOR INSTALLATION WITHIN INDIVIDUAL TREE OPENINGS OR PLANTERS THAT REQUIRE ROOT BARRIER PROTECTION ALONG ALL SIDES OF HARDSCAPES:
- ASSEMBLE THE APPROPRIATE NUMBER OF ROOT BARRIER PANELS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND ASSOCIATED DETAILS
- TRENCH IMMEDIATELY ADJACTENT TO HARDSCAPE TO THE APPROPRIATE DEPTH FOR INSTALLATION OF SPECIFIED ROOT BARRIER SO THAT TOP OF BARRIER IS 1/2" - 1" ABOVE FINISH SOIL GRADE
- PLACE ROOT BARRIER IN TRENCH, VERTICAL RIBS FACING TOWARD PLANTING AREA AND TREE ROOTS
- WHERE POSSIBLE, USE HARDSCAPE AS A GUIDE FOR ROOT BARRIER ALIGNMENT
- BACKFILL ADJACENT PLANTING SOIL AGAINST THE ROOT BARRIER TO PROMOTE CLEAN FIT TO HARDSCAPE. FILL TO FINISH GRADE PER PROJECT SPECIFICATIONS
- DISTRIBUTE SOIL EVENLY TO MAINTAIN THE SHAPE OF THE ROOT BARRIER AND COMPACT PER PROJECT SPECIFICATIONS

- 1. FINISH GRADE SHALL BE RAKED SMOOTH WITH NO CONTAMINATES OF CONSTRUCTION AND/OR UNDULATION CREATED BY CONSTRUCTION.
- 2. APPLY PRE-EMERGENT HERBICIDE PRIOR TO INSTALLATION AND ONE WEEK AFTER INSTALLATION OF DECOMPOSED GRANITE. EACH APPLICATION OF PRE-EMERGENT HERBICIDE SHALL BE WATERED PER MANUFACTURER'S RECOMMENDATIONS.
- 3. 2" DEPTH MINIMUM, 1" MINIMUM FOR DUST CONTROL AREAS.
- 4. WATER AND SETTLE DECOMPOSED GRANITE POST INSTALLATION AND LEVELING.
- 5. ENSURE DECOMPOSED GRANITE CREATES LEVEL AND SMOOTH CONNECTIONS AT STRUCTURES, WALLS, BUILDINGS AND OTHER SITE FEATURES
- 6. CONTRACTOR SHALL INSTALL ONE (1) 6'x6' MOCK-UP FOR REVIEW BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.







1.20.2022

SHT4 OF 5



MARK	DATE	DESCRIPTION	BY
		ENGINEERING AND TRANSPORTATION DEPARTMENT	
		CITY OF TEMPE	
		ENGINEERING DIVISION	

SURVEYED:

DESIGNED:

DRAWN:

CHECKED:

SCALE:

CITY OF LEMPE		
ENGINEERING DIVISION		
P.O. BOX 5002, TEMPE, AZ 85280		
DESCRIPTION	DATE	1.20.20
CITY HALL PLAZA REPAIR/REMODEL	PROJEC	T NO.
31 E. 5TH STREET	6708	841S

LL2.0

Tempe, Arizona

LANDSCAPE DETAILS

3 ROOT BARRIER SCALE: N.T.S.

E.Q.

0

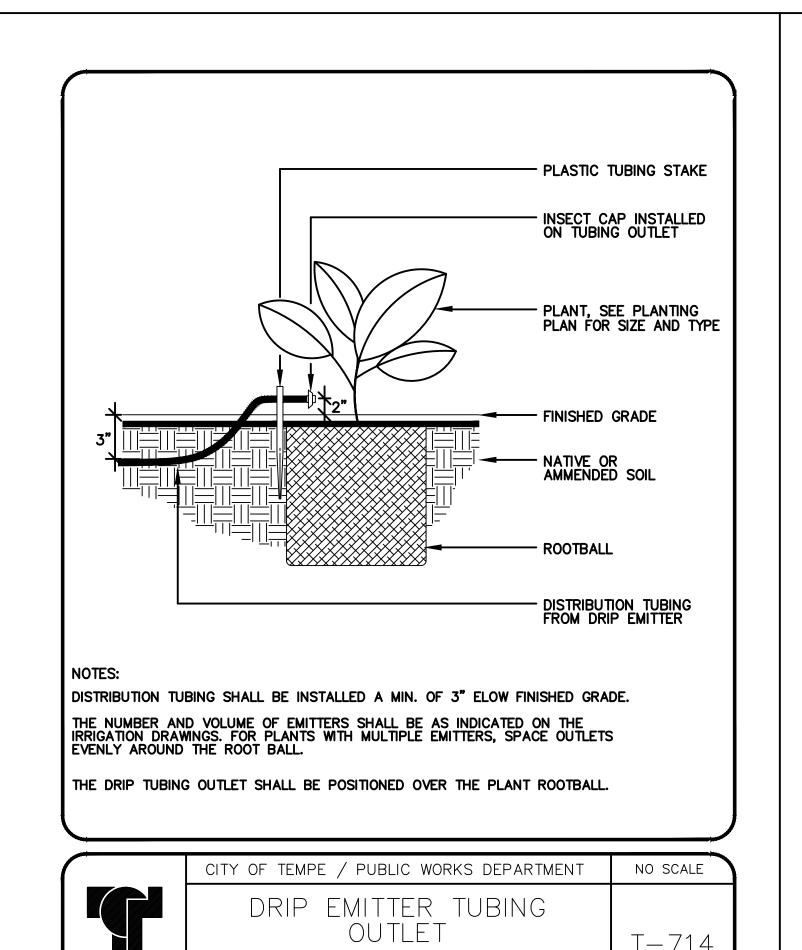
ADJACENT

HARDSCAPE

LANDSCAPE

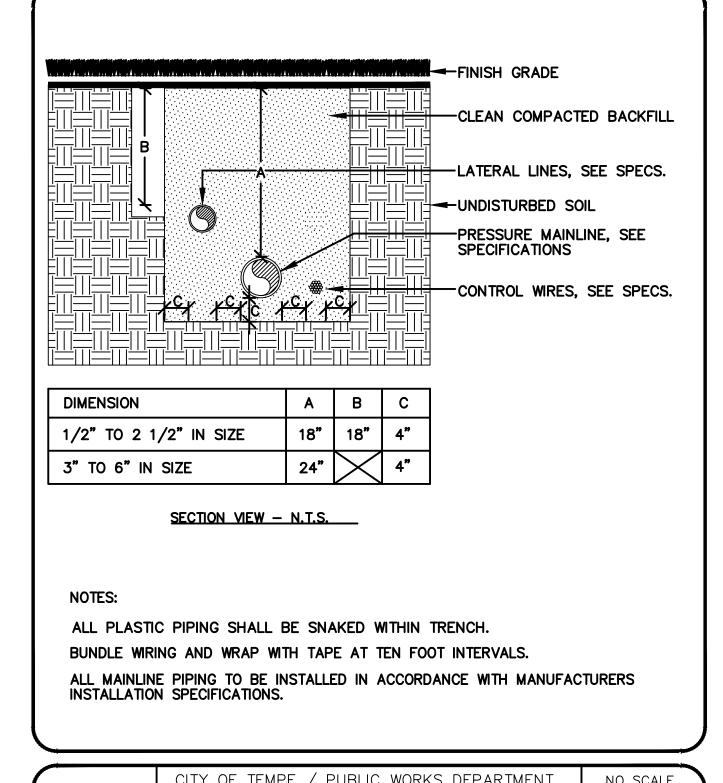
AREA

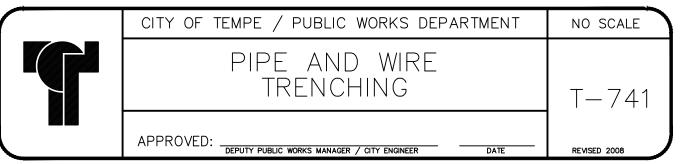
FINISH GRADE



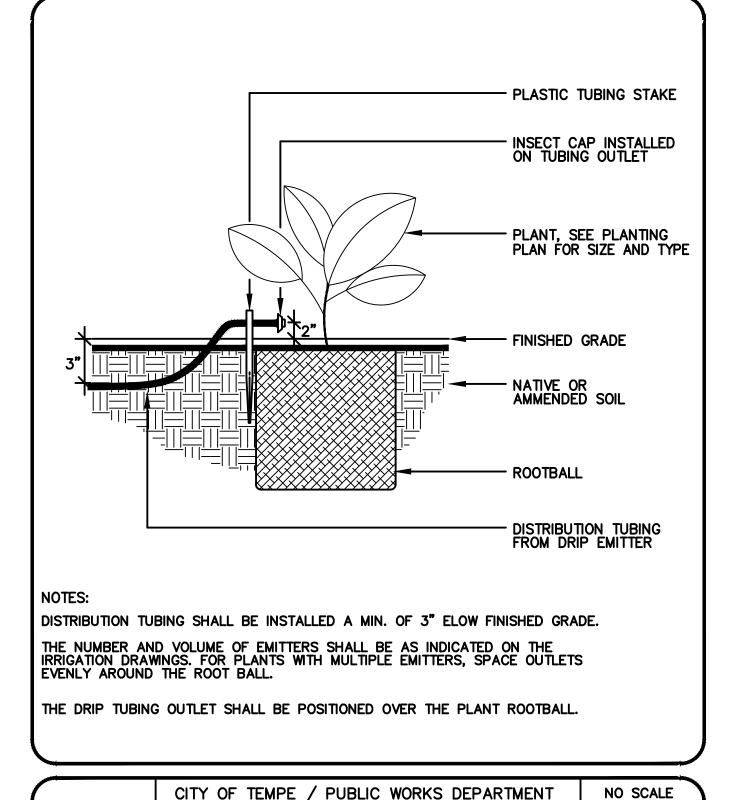
APPROVED: DEPUTY PUBLIC WORKS MANAGER / CITY ENGINEER DATE

1 COT DETAIL - DRIP EMITTER
N.T.S.





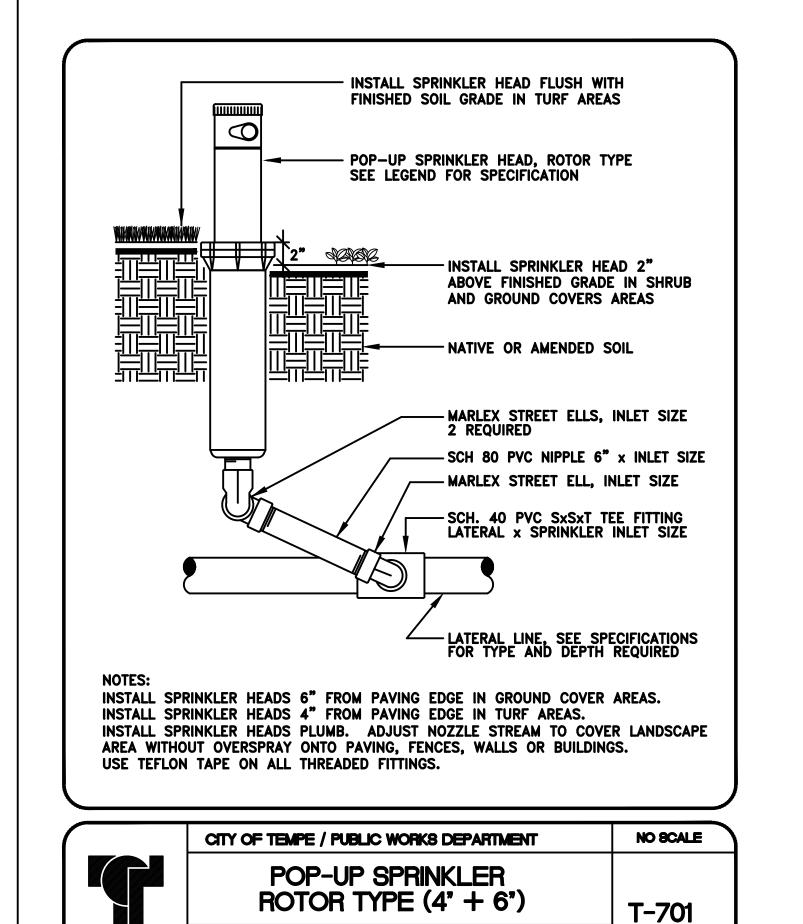


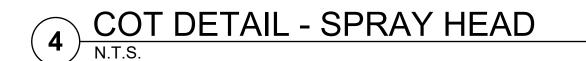


APPROVED: DEPUTY PUBLIC WORKS MANAGER / CITY ENGINEER DATE	REVISED 2008
DRIP EMITTER TUBING OUTLET	T-714
CITY OF TEMPE / PUBLIC WORKS DEPARTMENT	NO SCALE

COT DETAIL - DRIP EMITTER TUBING

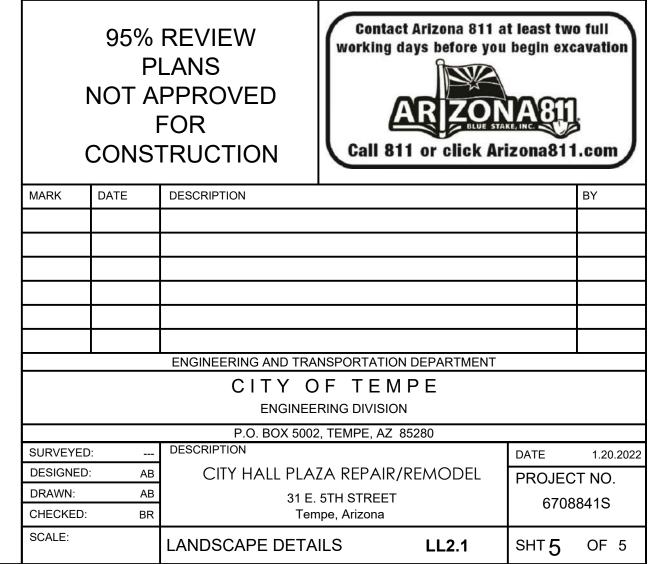
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APPROVED: DEPUTY PUBLIC WORKS MANAGER CITY ENGINEER DATE





Applies unless noted otherwise on drawings

COLORED CONCRETE AND

MOCKUPS FOR COLOR AND

EXPOSED AGGERGATE

FINISH???

FINISH???

WEAR SLAB LOADING:

- AMERICAN INSTITUTE OF STEEL

---- AGGREGATE BASE COURSE

- AMERICAN CONCRETE INSTITUTE

AMERICAN INSTITUTE OF TIMBER

NOTE: ABBREVIATIONS MAY OR MAY NOT HAVE

- ANCHOR BOLT

— AIR CONDITIONER

PERIODS, BUT SHALL BE READ AS SAME.

ABBREVIATIONS

A.B.C. ——

- AMERICAN PLYWOOD ASSOCIATION - AMERICAN SOCIETY FOR TESTING

----- AUTOMATIC WELDED THREADED

- INTERNATIONAL CONFERENCE OF

- INTERPRETATION OF DRAWINGS

GENERAL STRUCTURAL NOTES

BUILDING CODE:

2018 EDITION OF THE INTERNATIONAL BUILDING CODE AND STANDARDS REFERENCED THEREIN, WITH CITY OF TEMPE AMENDMENTS.

LOADS:

WEAR SLAB LIVE LOAD = 100 PSF

CONCRETE:

SPECIFIED 28 DAY COMPRESSIVE STRENGTH F'c: EXTERIOR WEAR SLAB ----- 3,000 PSI

> ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE ACI STANDARDS. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED UNLESS NOTED OTHERWISE. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. NO OTHER ADMIXTURES PERMITTED WITHOUT APPROVAL. FOR CONCRETE WITHOUT PLASTICIZER, MAXIMUM SLUMP 4 1/2" AT POINT OF PLACEMENT U.N.O. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL.

FOR REINFORCING INFORMATION, SEE REINFORCING SECTION OF G.S.N., PLANS, SCHEDULES AND UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE EMBEDMENT OF CONDUITS, PIPES, SLEEVES,

ETC. OF ANY MATERIAL SHALL NOT BE PERMITTED WITHIN ANY CONCRETE STRUCTURAL ELEMENT (IE: COLUMNS, BEAMS, ELEVATED SLABS, ETC.) OR STRUCTURAL CONCRETE TOPPINGS WITHOUT THE EXPRESSED APPROVAL OF THE STRUCTURAL ENGINEER. FLY ASH - IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS, SHALL BE LIMITED TO 25% OF

TOTAL CEMENTITIOUS MATERIALS BY WEIGHT. FLY ASH SHALL BE INCLUDED IN THE CALCULATION OF W/C RATIOS SPECIFIED ABOVE. FLY ASH ADDITIVES SHALL NOT BE USED ON SLABS WITH A BURNISHED OR ACID FINISH. TEST DATA FOR EACH CONCRETE MIX SHALL BE SUBMITTED FOR REVIEW PER CHAPTER 5 OF ACI

318. REFERENCE FIGURE R5.3 FOR SUBMITTAL REQUIREMENTS AND OPTIONS. CONCRETE MIX DESIGNS THAT ARE SUBMITTED WITHOUT THE APPROPRIATE TEST DATA CANNOT BE REVIEWED. MAXIMUM SLUMP WITHOUT PLASTICIZER AT POINT OF PLACEMENT SHALL BE 5 INCHES. MIX DESIGNS SHALL TAKE CARE TO PROVIDE THE LARGEST POSSIBLE SIZE OF COARSE AGGREGATE WHILE MAINTAINING CONCRETE WORKABILITY. NOMINAL MAXIMUM AGGREGATE SIZE SHALL NOT

BE LESS THAN 3/4 INCH NOR MORE THAN 1/3 THE DEPTH OF THE SLAB. PROVIDE CONCRETE WITH AN ULTIMATE SHRINKAGE LESS THAN 0.05% AT 28 DAYS. LABORATORY TEST RESULTS SHALL BE SUBMITTED INDICATING THAT THE CONCRETE SLAB ON GRADE MIX DESIGN (OR COMPARABLE) MEETS THE ULTIMATE SHRINKAGE REQUIREMENTS. SHRINKAGE VALUES FOR CONCRETE SPECIMENS SHALL BE TESTED PER ASTM C157 AND THE PROCEDURES IN ACI 209R TO PREDICT THE ULTIMATE DRYING SHRINKAGE.

CONCRETE SHALL BE MIXED, PLACED, FINISHED AND CURED PER REFERENCED EDITION OF ACI 302.1 FOR THE APPROPRIATE FLOOR CLASS TYPE PER TABLE 2.1 AND CHAPTER 7 AND 8. CURING COMPOUND SHALL BE COMPATIBLE WITH ARCHITECTURAL FLOOR FINISH. SLABS SHALL BE PLACED ON A FLAT, SMOOTH, FIRM, COMPACTED SUBGRADE.

SLABS ON SHALL BE VIBRATED ONLY TURNDOWNS, ETC. UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS (CONSTRUCTION OR TOOLED JOINTS) PER TYPICAL DETAILS, AS SHOWN ON THE PLAN, UNLESS SPECIFICALLY SHOWN ON PLAN THE ENCLOSED AREA SHOULD NOT EXCEED 110 SQUARE CONSTRUCTION CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING OR WHERE NOTED ON PLAN, ALL OTHER JOINTS MAY BE TOOLED. SLAB REINFORCING, WHERE SHOWN, SHALL NOT EXTEND MORE THAN 125 FEET WITHOUT STOPPING THE REINFORCEMENT AT A CONTROL JOINT.

JOINTS SHALL BE FILLED OR SEALED AS SPECIFIED IN ARCHITECTURAL SPECIFICATIONS.

REINFORCING:

ALL REINFORCING PER CRSI SPECIFICATIONS AND HANDBOOK. ASTM A615 (Fv = 60 KSI / GRADE 60) DEFORMED BARS FOR ALL BARS #4 AND LARGER. ASTM A615 (Fy = 40 KSI / GRADE 40) DEFORMED BARS FOR ALL BARS #3 AND SMALLER. WHERE SHOWN ON DRAWINGS ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. WELDED WIRE REINFORCING PER ASTM A1064, WIRE PER ASTM A1064. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. REFERENCED ACI

EXPOSED TO EARTH OR WEATHER #6 OR LARGER ------ 2 #5 AND SMALLER ----- 1 1/2" ALL REINFORCING SHALL BE CHAIRED OR POSITIONED USING REBAR SPACERS TO ENSURE PROPER CLEARANCES. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT SUPPORT OF FOLINDATION REINFORCING MUST PROVIDE ISOLATION FROM

MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED

STANDARDS AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

ALL DIMENSIONS REFERENCED IN DRAWINGS AS "CLEAR" SHALL BE FROM FACE OF STRUCTURE TO EDGE OF REINFORCING, AND SHALL NOT BE LESS THAN STATED, NOR GREATER THAN "CLEAR" DIMENSION PLUS 3/8". ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNLESS NOTED

FIELD BENDING OR STRAIGHTENING OF DEFORMED BARS SHALL BE LIMITED TO #5 BARS AND SMALLER AND SHALL BE FIELD BENT OR STRAIGHTENED ONLY ONCE. ANY BEND SHALL BE LIMITED TO 90 DEGREES. IF FIELD BENDING OR STRAIGHTENING OF #6 BARS OR LARGER IS REQUIRED, OR IF A SECOND BEND IS REQUIRED FOR #5 BARS AND SMALLER, HEAT SHALL BE APPLIED FOR BENDING OR STRAIGHTENING. CONTRACTOR SHALL SUBMIT PROCEDURE FOR APPLYING HEAT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BENDING OR STRAIGHTENING BARS.

LAP SPLICES IN CONCRETE:

REINFORCÍNG IS NOT AN ACCEPTABLE CHAIR.

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. DOWEL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90-DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. ONLY WHEN SPECIFICALLY NOTED ON DRAWINGS MAY CONCRETE COLUMN DOWEL EMBEDMENT BE A STANDARD COMPRESSION DOWEL WITH EMBEDMENT LENGTH ACCORDING TO THE REFERENCED EDITION OF THE ACI 318.

LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER REFERENCED EDITION OF ACI 318. ONLY WHEN SPECIFICALLY NOTED ON DRAWINGS MAY LAP SPLICES IN CONCRETE COLUMNS BE STANDARD COMPRESSION LAP SPLICES. LAPS IN WELDED WIRE REINFORCING SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH REINFORCING SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES.

SPECIAL INSPECTION - STRUCTURAL ONLY:

FOR SPECIAL STRUCTURAL INSPECTIONS: CONTACT CARUSO TURLEY SCOTT, INC. AT 480-774-1700 PRIOR TO CONSTRUCTION: SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE REGISTERED STRUCTURAL ENGINEER WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SUPERVISING STRUCTURAL ENGINEER SHALL SEAL THE SPECIAL INSPECTION

SPECIAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE BUILDING JURISDICTION INSPECTIONS REQUIRED BY SECTION 110 OF THE INTERNATIONAL BUILDING CODE. SPECIAL INSPECTION IS REQUIRED PER CHAPTER 17 FOR THE FOLLOWING: CONCRETE CONSTRUCTION:

REINFORCING STEEL: INSPECTION OF IN-PLACE REINFORCING FOR CONFORMANCE PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

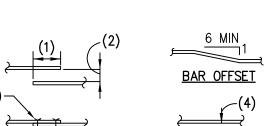
THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATION. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS, AND ALL DEVIATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA WRITTEN REQUEST FOR INFORMATION (RFI). THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.

D. THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. ACCESS SHALL BE PROVIDED BY IN-PLACE LADDERS, SCAFFOLDS, LIFTS AND/OR OTHER EQUIPMENT OPERATED BY THE CONTRACTOR'S PERSONNEL AS REQUIRED FOR SAFE OBSERVATION. THE SPECIAL INSPECTOR IS NOT RESPONSIBLE OR AUTHORIZED TO OPERATE CONTRACTOR'S EQUIPMENT. UPON COMPLETION OF THE ASSIGNED WORK THE ENGINEER OR ARCHITECT SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

			CLAS	s b tensioi	N SPLICE LE	NGTHS		СОМ	P. BARS
	CONC PSI	f'c=2,500,	/3,000 PSI	f'c = 4,	,000 PSI	f'c = 5,	,000 PSI	f'c :	= ≧ 3,000
	BAR LOCATION SIZE (METRIC)	REGULAR	TOP	REGULAR	TOP	REGULAR	TOP	STD LAP	ENCLOSE W/ SPIRA TIES
	#3 (10)	24"	31"	19"	24"	17"	22"	12"	12"
7	#4 (13)	32"	41"	25"	32"	22"	29"	15"	12"
	# 5 (16)	39"	51"	31"	40"	28"	36"	19"	14"
	#6 (19)	47"	61"	37"	48"	33"	43"	23"	17"
	# 7 (22)	69"	89"	54"	70"	49"	63"	26"	20"
	#8 (25)	78"	102"	62"	80"	55"	72"	30"	23"
	#9 (29)	88"	115"	70"	91"	63"	81"	34"	25"
	#10 (32)	99"	129"	79"	102"	70"	91"	38"	28"
_	#11 (36)	110"	143"	87"	113"	78"	101"	42"	31"

1. TOP BARS ARE ANY HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT. LAP SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318 UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS OR SCHEDULES. 3. CONTACT STRUCTURAL ENGINEER IF CLEAR SPACING OF REINFORCEMENT IS LESS THAN OR ≦ EQUAL TO 2 BAR DIAMETERS (2db), OR IF CLEAR COVER IS LESS THAN THE BAR DIAMETER

THIS TABLE IS BASED ON NORMAL WEIGHT CONCRETE. FOR ADDITIONAL INFORMATION, SEE G.S.N., PLANS, SCHEDULES AND DETAILS. LAP SCHEDULE FOR REINFORCING STEEL IN CONCRETE 01 NO SCALE



 \leftarrow SPLICE DETAIL **BAR CLEARANCE**

NOTES: LAP - SEE G.S.N. 2. MAXIMUM 1/5 LAP BUT NOT MORE THAŃ 6". WIRE TIES. 1d (1" MINIMUM). RADÌUS=3d FOR BARS NOT OVER #8; 4d FOR #9, #10 AND #11 BARS; 5d FOR #14 AND #18 BARS. 5d FOR ALL GRADE 40 BARS WITH 180 DEGREE HOOK. 4d (4" MINIMUM). 12d (90 DEGREE HOOK). 6d (4" MINIMUM). 135 DEGREE BEND. 10. BEND AROUND 1 1/2" PIN FOR #3 BARS. BEND AROUND 2" PIN FOR #4 BARS. BEND AROUND

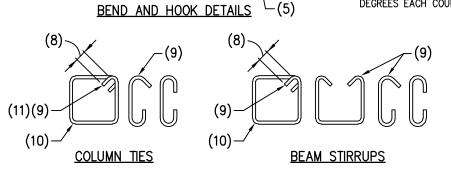
2 1/2" PIN FOR #5 BARS.

NO SCALE

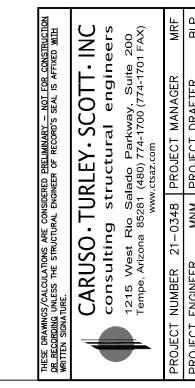
11. ROTATE TIE LOCATION 90

DEGREES EACH COURSE.

201-31.01



TYPICAL REINFORCING BAR DETAILS 201-32



95% REVIEW PLANS **NOT APPROVED** CONSTRUCTION

DATE DESCRIPTION



CALE:		G.S.N. AND TYPICAL DETAILS	sнт §]	OF			
HECKED:		Tempe, Arizona	6708841S				
RAWN:		31 E. 5TH STREET					
ESIGNED:		CITY HALL PLAZA REPAIR/REMODEL	PROJECT NO.				
URVEYED	:	DESCRIPTION	DATE	1.21.2022			
		P.O. BOX 5002, TEMPE, AZ 85280					
		ENGINEERING DIVISION					
		CITY OF TEMPE					
ENGINEERING AND TRANSPORTATION DEPARTMENT							

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